



**Pacific Gas and  
Electric Company**

**James R. Becker**  
Vice President-Diablo Canyon  
Operations and Station Director

Diablo Canyon Power Plant  
P.O. Box 56  
Avila Beach, CA 93424

805.545.3462  
Fax: 805.545.4234

April 16, 2004

PG&E Letter DCL-04-038

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Docket No. 50-275, OL-DPR-80  
Docket No. 50-323, OL-DPR-82  
Diablo Canyon Units 1 and 2  
2003 Annual Technical Specification 5.6.1 Report

Dear Commissioners and Staff:

In accordance with Technical Specification (TS) 5.6.1, "Annual Reports," Pacific Gas & Electric Company is submitting the annual tabulation of exposure to radiation for Diablo Canyon Power Plant Units, 1 and 2, for 2003.

TS 5.6.1 requires an annual report that includes a tabulation of the number of station, utility, and other personnel receiving exposure greater than 100 millirem per year, and their associated exposure according to work and job function. The information is provided in accordance with the standard format of Regulatory Guide 1.16.

Sincerely,

James R. Becker

snf/4509/R0246451

Enclosure

cc: Bruce S. Mallett  
David L. Proulx  
Girija S. Shukla  
Diablo Distribution

IE 56

A member of the STARS (Strategic Teaming and Resource Sharing) Alliance

Callaway • Comanche Peak • Diablo Canyon • Palo Verde • South Texas Project • Wolf Creek

Pacific Gas and Electric Company  
Diablo Canyon Power Plant  
Units 1 and 2

Enclosure  
PG&E Letter DCL 04-038

**Standard Format for Reporting Number of Personnel  
and Man-Rem by Work and Job Function**

Pacific Gas and Electric Company

Diablo Canyon Power Plant

Units 1 and 2

Annual Tabulation of Exposure to Radiation for 2003

**Standard Format for Reporting Number of Personnel  
 and Man-Rem by Work and Job Function**

| WORK AND JOB FUNCTION<br>(PERSONNEL GROUPING)           | NUMBER OF PERSONNEL*<br>(>100 MREM) |                      |                              | TOTAL MAN-REM        |                      |                              |
|---|-------------------------------------|----------------------|------------------------------|----------------------|----------------------|------------------------------|
|   | Station<br>Employees                | Utility<br>Employees | Contract Workers<br>& Others | Station<br>Employees | Utility<br>Employees | Contract Workers<br>& Others |
| <b><i>Reactor Operations<br/>&amp; Surveillance</i></b> |                                     |                      |                              |                      |                      |                              |
| Maintenance   | 0                                   | 0                    | 1                            | 0.000                | 0.000                | 0.006                        |
| Operating   | 11                                  | 0                    | 0                            | 0.309                | 0.000                | 0.000                        |
| Health Physics  | 0                                   | 0                    | 0                            | 0.000                | 0.000                | 0.000                        |
| Supervisory   | 0                                   | 0                    | 0                            | 0.000                | 0.000                | 0.000                        |
| Engineering   | 2                                   | 0                    | 0                            | 0.064                | 0.000                | 0.000                        |
| <b><i>Routine Maintenance</i></b>                       |                                     |                      |                              |                      |                      |                              |
| Maintenance   | 67                                  | 2                    | 108                          | 2.260                | 0.052                | 2.392                        |
| Operating   | 18                                  | 1                    | 1                            | 0.129                | 0.009                | 0.008                        |
| Health Physics  | 22                                  | 0                    | 8                            | 0.848                | 0.000                | 0.300                        |
| Supervisory   | 1                                   | 0                    | 0                            | 0.003                | 0.000                | 0.000                        |
| Engineering   | 17                                  | 1                    | 1                            | 0.334                | 0.015                | 0.001                        |
| <b><i>Inservice Inspection</i></b>                      |                                     |                      |                              |                      |                      |                              |
| Maintenance   | 4                                   | 0                    | 16                           | 0.239                | 0.000                | 1.219                        |
| Operating   | 2                                   | 0                    | 0                            | 0.249                | 0.000                | 0.000                        |
| Health Physics  | 0                                   | 0                    | 0                            | 0.000                | 0.000                | 0.000                        |
| Supervisory   | 0                                   | 0                    | 0                            | 0.000                | 0.000                | 0.000                        |
| Engineering   | 7                                   | 1                    | 0                            | 0.916                | 0.085                | 0.000                        |
| <b><i>Special Maintenance</i></b>                       |                                     |                      |                              |                      |                      |                              |
| Maintenance   | 27                                  | 1                    | 2                            | 3.050                | 0.001                | 0.185                        |
| Operating   | 0                                   | 0                    | 0                            | 0.000                | 0.000                | 0.000                        |
| Health Physics  | 10                                  | 0                    | 0                            | 0.311                | 0.000                | 0.000                        |
| Supervisory   | 0                                   | 0                    | 0                            | 0.000                | 0.000                | 0.000                        |
| Engineering   | 4                                   | 0                    | 0                            | 0.134                | 0.000                | 0.000                        |

**Standard Format for Reporting Number of Personnel  
 and Man-Rem by Work and Job Function**

| WORK AND JOB FUNCTION<br>(PERSONNEL GROUPING) | NUMBER OF PERSONNEL*<br>(>100 MREM) |                      |                              | TOTAL MAN-REM        |                      |                              |
|---|-------------------------------------|----------------------|------------------------------|----------------------|----------------------|------------------------------|
|   | Station<br>Employees                | Utility<br>Employees | Contract Workers<br>& Others | Station<br>Employees | Utility<br>Employees | Contract Workers<br>& Others |
| <b>Waste Processing</b>                       |                                     |                      |                              |                      |                      |                              |
| Maintenance                                   | 9                                   | 0                    | 5                            | 0.065                | 0.000                | 0.011                        |
| Operating                                     | 0                                   | 0                    | 0                            | 0.000                | 0.000                | 0.000                        |
| Health Physics                                | 11                                  | 0                    | 1                            | 1.663                | 0.000                | 0.160                        |
| Supervisory                                   | 0                                   | 0                    | 0                            | 0.000                | 0.000                | 0.000                        |
| Engineering                                   | 0                                   | 0                    | 0                            | 0.000                | 0.000                | 0.000                        |
| <b>Refueling</b>                              |                                     |                      |                              |                      |                      |                              |
| Maintenance                                   | 73                                  | 4                    | 254                          | 17.783               | 0.650                | 65.328                       |
| Operating                                     | 22                                  | 1                    | 1                            | 3.963                | 0.176                | 0.130                        |
| Health Physics                                | 23                                  | 0                    | 13                           | 5.059                | 0.000                | 2.843                        |
| Supervisory                                   | 1                                   | 0                    | 0                            | 0.387                | 0.000                | 0.000                        |
| Engineering                                   | 22                                  | 1                    | 3                            | 4.345                | 0.001                | 0.618                        |
| <b>Total</b>                                  |                                     |                      |                              |                      |                      |                              |
| Maintenance                                   | 180                                 | 7                    | 386                          | 23.397               | 0.703                | 69.141                       |
| Operating                                     | 53                                  | 2                    | 2                            | 4.650                | 0.185                | 0.138                        |
| Health Physics                                | 66                                  | 0                    | 22                           | 7.881                | 0.000                | 3.303                        |
| Supervisory                                   | 2                                   | 0                    | 0                            | 0.390                | 0.000                | 0.000                        |
| Engineering                                   | 52                                  | 3                    | 4                            | 5.793                | 0.101                | 0.619                        |
| <b>Grand Total</b>                            | <b>353</b>                          | <b>12</b>            | <b>414</b>                   | <b>42.111</b>        | <b>0.989</b>         | <b>73.201</b>                |

\* The "Number of Personnel" listed in the upper section of the table, are the number of personnel in the department receiving > 100 mRem. However, their entire dose was not necessarily received on a single Job Function. The personnel may have received their dose from multiple Job Functions. Therefore, depending on how many jobs contributed to their dose, the same person may be counted multiple times in the lower "totals" section of the table.